



NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Above normal temperatures were recorded again last week. In spite of isolated showers throughout the State, precipitation was slightly below average. **Topsoil moisture** was rated as 20 percent very short, 21 percent short, 56 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated as 16 percent very short, 28 percent short, 55 percent adequate, and 1 percent surplus. Out of a possible 7 days, there were 5.5 days suitable for fieldwork.

ROW CROPS: Sixteen percent of the corn crop has reached the dent stage, compared to nine percent in 2009. The five-year average was 13 percent. Corn dough is at 43 percent, ahead of last year's 24 percent and the average of 34 percent. Roughly two-thirds (67 percent) of the corn has milked, well ahead of last year at 48 percent and the average of 60 percent. The percent of corn that has reached the silking stage was at 90 percent, compared to 85 percent a year ago and 91 percent for the average. The condition of the corn crop was reported at 5 percent very poor, 12 percent poor, 26 percent fair, 40 percent good, and 17 percent excellent. Percent of soybeans that have bloomed was at 80 percent, well ahead of last year's 62 percent, and 67 percent for the average. Soybeans that have set pods were at 45 percent, compared to 28 percent a year ago and 37 percent for the average. Soybean crop condition was reported as 4 percent very poor, 10 percent poor, 29 percent fair, 38 percent good, and 19 percent excellent. The constant heat has continued concerns that soybean pods may abort and pollination was still an issue in some cornfields.

TOBACCO: The condition of the tobacco was reported as 2 percent very poor, 5 percent poor, 16 percent fair, 55 percent good and 22 percent excellent. Dark tobacco bloomed was at 80 percent, with 58 percent for the burley. Last year it was 73 and 55, with an average of 62 and 52 percent. Fifty-

eight percent of the dark was topped. One-third of the burley was also topped. In 2009 it was 51 and 35 percent, with an average of 62 and 31 percent.

OTHER CROPS AND PASTURE: Some pastures in the State have dried up, while others benefited from the recent showers. As of August 1, pastures were rated as 6 percent very poor, 11 percent poor, 26 percent fair, 49 percent good, and 8 percent excellent. The rain seemed to improve the hay crop condition, with 3 percent rated very poor, 9 percent poor, 25 percent fair, 49 percent good, and 14 percent excellent.

CROP PROGRESS for week ending 08/01/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	90	85	85	91
Corn Milked	67	58	48	60
Corn Dough	43	30	24	34
Corn Dent	16	NA	9	13
Soybeans Blooming	80	75	62	67
Soybeans Setting Pods	45	33	28	37
Burley Tobacco Blooming	58	51	55	52
Burley Tobacco Topped	33	26	35	31
Dark Tobacco Blooming	80	71	73	62
Dark Tobacco Topped	58	47	51	62

SOIL MOISTURE for week ending 08/01/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	20	21	56	3
Subsoil	16	28	55	1

CROP CONDITIONS for week ending 08/01/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	5	12	26	40	17
Soybeans	4	10	29	38	19
Pasture	6	11	26	49	8
Hay Crops	3	9	25	49	14
Tobacco	2	5	16	55	22

KENTUCKY WEATHER SUMMARY, JULY 26 – AUGUST 1, 2010:

Above Normal Temperature and Below Normal Rainfall:

This past week was another warm one, making it the 4th week in a row with above normal temperature. In fact, in the last 10 weeks 9 have had above normal temperature. For the state as a whole rainfall was just below normal; however the Western, Bluegrass, and Eastern climate divisions were all below normal with only the Central division above normal.

Temperatures for the period averaged 79 degrees across the state which was 3 degrees above normal and 2 degrees below the previous week's average. High temperatures averaged from 91 in the West to 86 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 0 degrees from normal in the East. Low temperatures averaged from 72 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 4 degrees above normal in the East.

Rainfall for the period totaled 0.95 inches statewide which was 0.08 inches below normal. Rainfall totals by climate division, West 0.54 inches, Central 1.71 inches, Bluegrass 0.59 inches and East 0.95 inches, which was -0.37, +0.64, -0.44 and -0.14 inches respectively from normal. By station, precipitation totals ranged from a low of 0.01 inches at Covington to a high of 3.15 inches at Campbellsville.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 1, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)				(Degrees Fahrenheit)						
Bardstown	2.74	19.84	5.66	+2.70	+1.18	90	61	77.6	+2	185	2580	+388
Berea	0.51	22.73	6.00	+5.16	+2.02	87	61	76.5	+1	183	2450	+195
Bowling Green	1.78	24.93	4.48	+6.65	+0.24	93	70	82.1	+6	206	2742	+457
Bristol	0.62	9.10	1.84	-6.06	-2.02	96	67	79.4	+4	188	2462	+392
Buckhorn Lake	0.78	15.73	3.14	-1.24	-1.19	87	64	76.4	+1	181	2380	+403
Cape Girardeau	0.85	16.06	4.28	-0.68	+1.08	95	68	82.4	+5	205	2772	+363
Campbellsville	3.15	25.84	7.02	+6.23	+2.20	88	66	77.5	+2	189	2525	+300
Covington	0.01	17.12	2.42	+0.90	-1.38	89	59	77.4	+2	186	2436	+395
Cumberland Gap	1.27	17.91	6.09	-0.65	+1.36	90	68	78.6	+3	192	2542	+502
Dix Dam	1.83	22.92	5.84	+5.20	+1.39	89	62	77.8	+3	188	2509	+316
Evansville	0.46	12.37	3.51	-4.03	-0.11	93	68	81.0	+3	202	2675	+389
Glasgow	1.28	21.45	5.60	+1.80	+0.85	91	68	79.6	+4	198	2651	+456
Grayson	0.05	23.17	6.50	+6.46	+2.15	87	59	76.0	+1	180	2391	+474
Hardinsburg	0.44	18.35	3.34	+0.49	-0.94	91	65	79.2	+3	195	2579	+294
Henderson	0.36	14.37	3.31	-2.42	-0.35	91	67	79.4	+2	196	2617	+301
Huntington	0.72	20.52	5.70	+3.90	+1.28	87	63	76.6	+1	183	2482	+411
Jackson	0.66	18.74	2.63	+0.96	-2.07	87	62	76.1	+1	181	2521	+544
Lexington	0.61	22.89	6.06	+5.75	+1.58	89	62	78.0	+3	190	2501	+430
London	1.07	16.98	4.63	+0.31	+0.38	90	65	78.1	+3	191	2520	+480
Louisville	1.46	21.74	5.22	+4.81	+1.18	93	66	82.4	+6	209	2847	+560
Mayfield	0.87	12.80	2.13	-5.24	-1.90	95	69	82.0	+4	199	2717	+371
Nashville	1.04	30.75	5.86	+13.85	+2.29	95	74	84.0	+8	213	2830	+390
Nolin Lake	2.56	22.30	6.04	+3.20	+1.52	90	67	78.9	+3	195	2555	+454
Paducah	0.10	12.80	1.36	-5.50	-2.40	97	71	84.0	+6	207	2770	+392
Princeton	0.59	21.26	2.73	+3.23	-1.14	97	71	82.4	+5	205	2711	+364
Quicksand	0.96	15.96	3.06	-1.82	-1.64	90	61	77.5	+2	184	2490	+513
Somerset	2.08	23.49	6.02	+4.81	+1.63	88	65	78.0	+3	190	2476	+345
Spindletop	0.51	20.68	5.49	+3.54	+1.01	89	62	77.7	+2	189	2507	+436
Williamstown	0.05	20.12	3.00	+3.14	-1.07	88	61	76.2	+1	178	2419	+348

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.gwax.ca.uky.edu/>